

CUSTOMER NO.: 24498
Serial No.: 10/511,560

PATENT
PU020131

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
BEFORE THE BOARD OF PATENT APPEALS AND INTERFERENCES**

Applicants: Keith Robert Broerman

Examiner: Nguyen, T.

Serial No: 10/511,560

Group Art Unit: 2144

Filed: October 15, 2004

Docket: PU020131

For: METHOD, APPARATUS AND SYSTEM FOR SUPPORTING MULTIPLE
COLLABORATIVE SESSIONS IN A BI-DIRECTIONAL COMMUNICATION DEVICE

Mail Stop Appeal Brief-Patents
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AMENDED SECTION 5 OF APPEAL BRIEF

Applicant provides the following amended section 5 for the Appeal Brief initially filed on April 25, 2008 in response to the Notification of Non-Compliant Appeal Brief dated July 11, 2008.

5. Amended Summary of Claimed Subject Matter

Independent Claim 1 is directed to a “method for supporting multiple diagnostic sessions in a bi-directional communication device” (Claim 1, preamble).

The subject matter of the first element (beginning with “receiving diagnostic session requests”) recited in Claim 1 is described, e.g., at: page 8, lines 11-12. Moreover, the subject matter of the first element of Claim 1 involves, e.g.: element 302 of FIG. 3.

The subject matter of the second element (beginning with “verifying identification information”) recited in Claim 1 is described, e.g., at: page 8, lines 14-18. Moreover, the subject matter of the second element of Claim 1 involves, e.g.: elements 304 and 306 of FIG. 3.

The subject matter of the third element (beginning with “establishing a communications channel”) recited in Claim 1 is described, e.g., at: page 8, lines 21-23. Moreover, the subject matter of the third element of Claim 1 involves, e.g.: elements 308 and 310 of FIG. 3.

The subject matter of the fourth element (beginning with “communicating diagnostic information”) recited in Claim 1 is described, e.g., at: page 8, line 31 to page 9, line 6. Moreover, the subject matter of the fourth element of Claim 1 involves, e.g.: elements 402 and 404 of FIG. 4.

Independent Claim 8 is directed to an “apparatus for supporting multiple diagnostic sessions in a bi-directional communication device” (Claim 8, preamble).

The subject matter of the first element (beginning with “a server”) recited in Claim 8 is described, e.g., at: page 5, lines 1-6, lines 13-15, and line 31 to page 6, line 4. Moreover, the subject matter of the first element of Claim 8 involves, e.g.: element 190 of FIGs. 1 and 2.

The subject matter of the second element (beginning with “a memory”) recited in Claim 8 is described, e.g., at: page 5, lines 12-13. Moreover, the subject matter of the second element of

Claim 8 involves, e.g.: element 220 of FIG. 2.

The subject matter of the third element (beginning with “a processor”) recited in Claim 8 is described, e.g., at: page 5, lines 15-18. Moreover, the subject matter of the third element of Claim 8 involves, e.g.: element 210 of FIG. 2.

The subject matter of the fourth element (beginning with “receiving diagnostic session requests”) recited in Claim 8 is described, e.g., at: page 8, lines 11-12. Moreover, the subject matter of the fourth element of Claim 8 involves, e.g.: element 302 of FIG. 3.

The subject matter of the fifth element (beginning with “verifying identification information”) recited in Claim 8 is described, e.g., at: page 8, lines 14-18. Moreover, the subject matter of the fifth element of Claim 8 involves, e.g.: elements 304 and 306 of FIG. 3.

The subject matter of the sixth element (beginning with “establishing a communications channel”) recited in Claim 8 is described, e.g., at: page 8, lines 21-23. Moreover, the subject matter of the sixth element of Claim 8 involves, e.g.: elements 308 and 310 of FIG. 3.

The subject matter of the seventh element (beginning with “communicating diagnostic information”) recited in Claim 8 is described, e.g., at: page 8, line 31 to page 9, line 6. Moreover, the subject matter of the seventh element of Claim 8 involves, e.g.: elements 402 and 404 of FIG. 4.

Independent Claim 17 is directed to an “apparatus for supporting multiple telnet sessions” (Claim 17, preamble).

The subject matter of the first element recited in Claim 17, namely “means for receiving Telnet session requests from a plurality of requesters”, is described, e.g., at: page 5, lines 2-6 and 11-14; and page 7, lines 11-13 of the Applicants’ specification. In particular, page 5, lines 3-6 disclose the following: “a Telnet server 190 in the modem 120. One exemplary function of the

Telnet server 190 within the modem 120 is to initiate a plurality of diagnostic tests to detect a fault within the network system and provide a requesting client(s) 170, 180 with run time and long-term operating information upon receiving a diagnostic request.” Further, page 5, lines disclose the following: “a modem 120 comprising a diagnostic Telnet server [190], in accordance with the principles of the present invention, suitable for use in the network system 100 of FIG. 1. The modem 120 of FIG. 2 comprises a processor 210 as well as a memory 220 for storing control programs and information. The memory 220 of the modem 120 further comprises the Telnet server 190....” Also, page 7, lines 11-13 disclose the following: “The modem of FIG. 1 and FIG. 2, in accordance with the principles of the present invention, is capable of supporting multiple Telnet sessions....” Moreover, the subject matter of the first element of Claim 17 involves, e.g.: elements 120 (modem) and 190 (Telnet server, comprised in element 120) of FIG. 1.

The subject matter of the second element recited in Claim 17, namely “means for verifying identification information for each of said requesters”, is described, e.g., at: page 7, lines 16-18 and 21-23 of the Applicants’ specification. In particular, page 7, lines 16-18 disclose the following: “a Telnet authentication task in the modem 120 waits for a client to logon. When a new client attempts to connect, the authentication task requests for a user ID and a password required for the client to gain access to the modem. Further, page 7, lines 21-23 disclose the following: “The authentication task then again waits for a new client to logon. The same authentication procedure is followed for each client attempting to logon to the modem 120.” Moreover, the subject matter of the second element of Claim 17 involves, e.g.: element 120 (modem) of FIG. 1.

The subject matter of the third element recited in Claim 17, namely “means for

establishing a communications channel for each verified requester”, is described, e.g., at: page 7, lines 18-21. In particular, page 7, lines 18-21 disclose the following: “When the user ID and password are verified, the Telnet authentication task opens a socket and saves the session information, such as the client IP address and a listening port number.” Moreover, the subject matter of the third element of Claim 17 involves, e.g.: element 120 (modem) of FIG. 1.

The subject matter of the fourth element recited in Claim 17, namely “means for communicating diagnostic information corresponding to a particular one of the diagnostic session requests received from a particular one of said verified requesters to all of said verified requesters via said established communications channels”, is described, e.g., at: page 7, lines 26-29. In particular, page 7, lines 26-29 disclose the following: “Operating contemporaneously with the Telnet authentication task is a Telnet sending task. The Telnet sending task waits for the modem 120 to generate the relevant information in response to a request from a client. The generated information is then sent to all of the active Telnet clients.” Moreover, the subject matter of the fourth element of Claim 17 involves, e.g.: element 120 (modem) of FIG. 1.

Independent Claim 18 is directed to a “computer-readable medium for storing a set of instructions” (Claim 18, preamble).

The subject matter of the first element (beginning with “receiving Telnet session requests”) recited in Claim 18 is described, e.g., at: page 8, lines 11-12. Moreover, the subject matter of the first element of Claim 18 involves, e.g.: element 302 of FIG. 3.

The subject matter of the second element (beginning with “verifying identification information”) recited in Claim 18 is described, e.g., at: page 8, lines 14-18. Moreover, the subject matter of the second element of Claim 18 involves, e.g.: elements 304 and 306 of FIG. 3.

The subject matter of the third element (beginning with “establishing a communications

channel”) recited in Claim 18 is described, e.g., at: page 8, lines 21-23. Moreover, the subject matter of the third element of Claim 18 involves, e.g.: elements 308 and 310 of FIG. 3.

The subject matter of the fourth element (beginning with “communicating diagnostic information”) recited in Claim 18 is described, e.g., at: page 8, line 31 to page 9, line 6. Moreover, the subject matter of the fourth element of Claim 18 involves, e.g.: elements 402 and 404 of FIG. 4.

Independent Claim 19 is directed to a “network” (Claim 19, preamble).

The subject matter of the first element (beginning with “at least one subscriber terminal”) recited in Claim 19 is described, e.g., at: page 4, lines 2-8. Moreover, the subject matter of the first element of Claim 19 involves, e.g.: element 110 of FIG. 1.

The subject matter of the second element (beginning with “at least one data servicing system”) recited in Claim 19 is described, e.g., at: page 4, lines 2-8. Moreover, the subject matter of the second element of Claim 19 involves, e.g.: element 130 of FIG. 1.

The subject matter of the third element (beginning with “a network device”) recited in Claim 19 is described, e.g., at: page 4, lines 2-7; and page 5, lines 23-25. Moreover, the subject matter of the third element of Claim 19 involves, e.g.: element 120 of FIG. 1.

The subject matter of the fourth element (beginning with “a Telnet server”) recited in Claim 19 is described, e.g., at: page 5, lines 1-6. Moreover, the subject matter of the fourth element of Claim 19 involves, e.g.: element 190 of FIGs. 1 and 2.

The subject matter of the fifth element (beginning with “a memory”) recited in Claim 19 is described, e.g., at: page 5, lines 12-13. Moreover, the subject matter of the fifth element of Claim 19 involves, e.g.: element 220 of FIG. 2.

The subject matter of the sixth element (beginning with “a processor”) recited in Claim

19 is described, e.g., at: page 5, lines 15-18. Moreover, the subject matter of the sixth element of Claim 19 involves, e.g.: element 210 of FIG. 2.

The subject matter of the seventh element (beginning with “receiving diagnostic session requests”) recited in Claim 19 is described, e.g., at: page 8, lines 11-12. Moreover, the subject matter of the seventh element of Claim 19 involves, e.g.: element 302 of FIG. 3.

The subject matter of the eighth element (beginning with “verifying identification information”) recited in Claim 19 is described, e.g., at: page 8, lines 14-18. Moreover, the subject matter of the eighth element of Claim 19 involves, e.g.: elements 304 and 306 of FIG. 3.

The subject matter of the ninth element (beginning with “establishing a communications channel”) recited in Claim 19 is described, e.g., at: page 8, lines 21-23. Moreover, the subject matter of the ninth element of Claim 19 involves, e.g.: elements 308 and 310 of FIG. 3.

The subject matter of the tenth element (beginning with “communicating diagnostic information”) recited in Claim 19 is described, e.g., at: page 8, line 31 to page 9, line 6. Moreover, the subject matter of the tenth element of Claim 19 involves, e.g.: elements 402 and 404 of FIG. 4.